

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| L1    | 72   | (WHEELER near LYNN)<br>(WHEELER near ANNE)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/03/04<br>15:25 |
| L2    | 11   | L1 and (signature and random).clm.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/03/04<br>15:25 |
| L3    | 988  | 713/170.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/03/04<br>15:25 |
| L4    | 2    | L3 and @ad<"20000806"<br>and @pd>"20081208"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/03/04<br>15:25 |
| L5    | 3243 | 713/176.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/03/04<br>15:25 |
| L6    | 2    | L5 and @ad<"20000806"<br>and @pd>"20081208"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/03/04<br>15:25 |
| L7    | 373  | (send\$4 transmit\$4 includ<br>\$4) with user adj2<br>(authentica\$4 verification<br>verify\$4) near result | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/03/04<br>15:25 |
| L8    | 0    | L7 and @ad<"20000806"<br>and @pd>"20081208"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/03/04<br>15:25 |
| L9    | 29   | (send\$4 transmit\$4 includ<br>\$4) with user adj2<br>(authentica\$4 verification<br>verify\$4) near status | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/03/04<br>15:25 |

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| L10 | 0   | L9 and @ad<"20000806" and @pd>"20081208"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:25 |
| L11 | 192 | user adj2 (authenticat\$4 verification verify\$4) near status   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:25 |
| L12 | 0   | L11 and @ad<"20000806" and @pd>"20081208"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:25 |
| L13 | 255 | user adj2 (authenticat\$4 authoriz\$6 verification verify\$4) near status   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:25 |
| L14 | 0   | L13 and @ad<"20000806" and @pd>"20081208"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:25 |
| L15 | 78  | user adj2 (authenticat\$4 authoriz\$6 verification verify\$4) near (status result) same ((digital adj signature) hash\$4 signature) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:25 |
| L16 | 0   | L15 and @ad<"20000806" and @pd>"20081208"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:25 |
| L17 | 362 | user adj2 (authenticat\$4 authoriz\$6 verification verify\$4) near (status result) and ((digital adj signature) hash\$4 signature)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:26 |
| L18 | 0   | L17 and @ad<"20000806" and @pd>"20081208"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:26 |
| L19 | 17  | (append\$4 attach\$4) with user adj2 (authenticat\$4 authoriz\$6 verification verify\$4) near (status result)                       | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:26 |

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| L20 | 0    | L19 and @ad<"20000806"<br>and @pd>"20081208"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:26 |
| L21 | 321  | (append\$4 attach\$4) with<br>(authentica\$4 authoriz\$6<br>verification verify\$4) near2<br>(status result) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:26 |
| L22 | 0    | L21 and @ad<"20000806"<br>and @pd>"20081208"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:26 |
| L23 | 697  | digital adj signature with<br>random adj number  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:26 |
| L24 | 1    | L23 and @ad<"20000806"<br>and @pd>"20081208"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:26 |
| L25 | 399  | digital adj signature with<br>random adj number with<br>generat\$4   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:26 |
| L26 | 0    | L25 and @ad<"20000806"<br>and @pd>"20081208"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:26 |
| L27 | 99   | digital adj signature with<br>generat\$4 with session adj<br>key   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:26 |
| L28 | 1    | L27 and @ad<"20000806"<br>and @pd>"20081208"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:26 |
| L29 | 1494 | digital adj signature same<br>random adj number  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |

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| L30 | 237 | L29 and replay adj attack   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |
| L31 | 0   | L30 and @ad<"20000806"<br>and @pd>"20081208"                          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |
| L32 | 727 | digital adj signature same<br>public with private with<br>stor\$4     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |
| L33 | 159 | L32 and ((replay adj<br>attack) (session adj key))                    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |
| L34 | 0   | L33 and @ad<"20000806"<br>and @pd>"20081208"                          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |
| L35 | 260 | L32 and random adj<br>number with generat\$4                          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |
| L36 | 0   | L35 and @ad<"20000806"<br>and @pd>"20081208"                          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |
| L37 | 73  | (verify\$4 verification) near<br>status with digital adj<br>signature | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |
| L38 | 0   | L37 and @ad<"20000806"<br>and @pd>"20081208"                          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |
| L39 | 104 | (verify\$4 verification) near<br>status same digital adj<br>signature | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |

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| L40 | 0   | L39 and @ad<"20000806" and @pd>"20081208"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |
| L41 | 349 | (verify\$4 verification) near user same digital adj signature                              | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |
| L42 | 0   | L41 and @ad<"20000806" and @pd>"20081208"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |
| L43 | 369 | (PIN passwaord) with digital adj signature   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |
| L44 | 0   | L43 and @ad<"20000806" and @pd>"20081208"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |
| L45 | 211 | (authenticat\$4 verification) near (status indicator) same signature                       | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |
| L46 | 0   | L45 and @ad<"20000806" and @pd>"20081208"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |
| L47 | 216 | user adj2 (authenticat\$4 verification verify\$4) near (status indicator)                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |
| L48 | 0   | L47 and @ad<"20000806" and @pd>"20081208"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:27 |
| L49 | 583 | (send\$4 transmit\$4) with (authenticat\$4 verification verify\$4) near (status indicator) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:28 |

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| L50  | 212  | L49 same message  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:28 |
| L51  | 0    | L50 and @ad<"20000806"<br>and @pd>"20081208"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:28 |
| L52  | 303  | (send\$4 transmit\$4) with<br>user adj2 (authenticat\$4<br>verification verify\$4) near<br>result   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:28 |
| L53  | 0    | L52 and @ad<"20000806"<br>and @pd>"20081208"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>15:28 |
| S168 | 3856 | (verify\$4 verification) near<br>(status indication result)<br>same (time timing (time<br>adj out) timeout)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>13:41 |
| S169 | 1549 | (verify\$4 verification) near<br>(status indication result)<br>with (time timing (time adj<br>out) timeout)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>13:42 |
| S170 | 243  | (output\$4 display\$4) with<br>(verify\$4 verification) near<br>(status indication result)<br>with (time timing (time adj<br>out) timeout)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>13:42 |
| S171 | 51   | S170 and<br>@ad<"20000806"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>13:42 |
| S172 | 0    | S171 and biometric  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>13:44 |
| S173 | 77   | (output\$4 display\$4) with<br>(verify\$4 verification<br>authenticat\$4 authoriz\$6)<br>near (status indication<br>result) same (time timing<br>(time adj out) timeout)<br>and biometric | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>13:44 |

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| S174 | 0   | S173 and<br>@ad<"20000806"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/03/04<br>13:44 |
| S175 | 718 | (output\$4 display\$4) with<br>(verify\$4 verification<br>authentica\$4 authoriz\$6)<br>near (status indication<br>result) same (time timing<br>(time adj out) timeout)                                 | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/03/04<br>13:44 |
| S176 | 168 | S175 and<br>@ad<"20000806"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/03/04<br>13:44 |
| S177 | 2   | (output\$4 display\$4) with<br>(verify\$4 verification<br>authentica\$4 authoriz\$6)<br>near (status indication<br>result) same previous\$4<br>near2 (time timing (time<br>adj out) timeout)            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/03/04<br>13:45 |
| S178 | 0   | (re-send\$4 (re adj send<br>\$4)) with (verify\$4<br>verification authentica\$4<br>authoriz\$6) near (status<br>indication result) same<br>previous\$4 near2 (time<br>timing (time adj out)<br>timeout) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/03/04<br>13:50 |
| S179 | 0   | (re-send\$4 (re adj send<br>\$4)) with (verify\$4<br>verification authentica\$4<br>authoriz\$6) near (status<br>indication result) same<br>(time timing (time adj out)<br>timeout)                      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/03/04<br>13:51 |
| S180 | 1   | ("20020016913").PN.   | US-PGPUB;<br>USPAT                                      | OR | OFF | 2009/03/04<br>13:53 |
| S181 | 0   | (verify\$4 verification<br>authentica\$4 authoriz\$6)<br>near (status indication<br>result) same (time timing<br>(time adj out) timeout)<br>with previous\$4 near<br>(output\$4 display\$4)             | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/03/04<br>14:01 |
| S182 | 635 | (verify\$4 verification<br>authentica\$4 authoriz\$6)<br>near (status indication<br>result) same (time timing<br>(time adj out) timeout)<br>with (output\$4 display\$4)                                 | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/03/04<br>14:01 |

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| S183 | 164 | S182 and<br>@ad< "20000806"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>14:01 |
| S184 | 39  | biometric same (output\$4<br>display\$4) near2 (result<br>status) same (time timing<br>timeout (time adj out)) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>14:06 |
| S185 | 1   | S184 and<br>@ad< "20000806"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>14:06 |
| S186 | 967 | biometric and (output\$4<br>display\$4) near2 (result<br>status) same (time timing<br>timeout (time adj out))  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>14:11 |
| S187 | 67  | S186 and<br>@ad< "20000806"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>14:11 |
| S188 | 23  | biometric same (re adj<br>authenticat\$4<br>(reauthenticat\$4)) with<br>(time timeout (time adj<br>out))       | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>14:26 |
| S189 | 2   | S188 and<br>@ad< "20000806"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>14:27 |
| S190 | 130 | biometric and (re adj<br>authenticat\$4<br>(reauthenticat\$4)) with<br>(time timeout (time adj<br>out))        | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>14:27 |
| S191 | 16  | S190 and<br>@ad< "20000806"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/04<br>14:27 |

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